



TRITON COLLEGE AND PURDUE UNIVERSITY Northwest
Articulation Agreement for Associate of Applied Science Degree in Engineering Technology to
Bachelor of Science Degree in Mechanical Engineering Technology



Triton College			Purdue University Calumet Equivalency			Required Purdue University Calumet Courses for B.S.			
Course #	Course Title	Credits	Course #	Course Title	Credits	Course #	Course Title	Credits	
RHT 101	Freshman Rhetoric & Composition I	3	ENGL 10400	English Composition I	3	MET 16000	Computational Analysis Tools in MET	3	
SPE 101	Principles of Effective Speaking	3	COM 11400	Fund. of Speech Communication	3	MET 21101 & 21102	Appl. Strength of Materials	4	
MAT111+114	Pre-Calculus + Trigonometry	8	MA147+148	Algebra & Trig for Technology I & II	6	MET 21300	Dynamics	3	
HTH 104 or 281	Sci of Per. Health or 1 st Aid & CPR	2				IET 30800	Eng. Project Management	3	
ENT 103	Introduction to Automation	3				MET 31300	Applied Fluid Mechanics	3	
ENT 104	Electricity Fundamentals	3	ECET 21401	Electricity Fundamentals	3	MET 32900	Applied Heat Transfer	3	
ENT 110	Production Drawings & CAD	4	MET 10000	Production Drawing & CAD	3	MET 32500	Applied Thermodynamics	3	
ENT 111	Metrology with Geometric Dimension	3				MET 46100	Computer Integrated Design	3	
ENT 115	Fluid Power	3	MET 23000	Fluid Power	3	MET 49700	Senior Project	3	
PHY 101	General Physics I (Mechanics, Heat & Sound)	4	PHYS 22000	General Physics I	4	MET 49500	Senior Project Survey	3	
ENT 127	Materials Manufacturing & Testting	3	MET 14100	Materials I	3		MET Selective (300 or 400 level)	3	
ENT 232	Geometric Design, Layout & Building	3		CHEM/TEC Elective	3		MET Selective (300 or 400 level)	3	
ENT 252	Intro to Mechanical AutoCad	2	Substitute MET 16100 Intro to Engineering Technology			3	COM/OLS	300 or above	3
ENT 260	Jig & Fixture Design	3				OLS 30000	Safety and Health For Eng Tech	3	
ENT 270	Machine Design	3	MET 21501	Machine Elements	3	MET38200	Control & Instrumentation for Automation	3	
ENT 295	Applied Statics	3	MET 11800	Applied Mechanics: Statics	3	MET 10200	Production Design & Specification	3	
MAT 170	Elementary Statistics	3	STAT 30100	Elementary Statistical Methods I	3	Programming Elective			
HIS 151, PSC 150, or SSC 190		3	Social Science Gen Ed Elective			3	IET 35200*	Operations Management	3
Select 1 IAI approved Humanities Course*		3	Humanities Gen Ed Elective			3			
Recommended ENT Program Electives									
ENT 116 Elect	Fabrication Processes	3	MET 24200	Manufacturing Processes II	3				
ENT 280 Elect	Solidworks Design & Rendering	2	MET 10101	Introduction to Parametric Modeling	3				
Select 1 more ENT Elective, see Triton catalog for details		3							
Minimum Credits for A.A.S. Degree		55	Transfer credits			55	*Select IAI approved courses from Triton A.A. or A.S. Degrees General Educaiton Core Curriculum. Must earn a grade of "C" or higher in all courses. Note: Students are expected to complete the senior year (last 32 upper division credits/two semesters) at Purdue Northwest. See Purdue Notrthwest catalog for additional information. For program information contact: Purdue Northwest College of Technology at www.pnw.edu/technology Email: tech@pnw.edu Phone: 219.989.2471 or Toll Free 1.800.HI-PURDUE, ext. 8324		
Additional courses for B.S. Degree can be completed at Triton or PUC									
BUS 188	Business Writing	3	Substitute for ENG 22000 Technical Report Writing			3			
MAT 131	Calculus I/Analytic Geometry	5	MA 16019	Applied Calculus I for Technology	4				
MAT 133	Calculus II/Analytic Geometry	5	MA 16021	Applied Calculus II and Differential Equa	3				
Total Credits at Triton		68	Transferable Credits			65			